



COUNTY OF SAN DIEGO  
**Great Government Through the General Management System – Quality, Timeliness, Value**  
DEPARTMENT OF HUMAN RESOURCES

CLASS SPECIFICATION

CLASSIFIED

ROAD STRUCTURES WORKER I	Class No. 006025
ROAD STRUCTURES WORKER II	Class No. 006026
ROAD STRUCTURES WORKER III	Class No. 006027

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■ CLASSIFICATION PURPOSE

To perform work in the construction, repair, and preventive maintenance of County-maintained road and bridge structures, culverts, guardrails, masonry walls, concrete curb and gutters, and related structures; to perform a wide variety of skilled carpentry work involving construction, rough and finish, installation and repair of wooden structures; and to perform related work as required.

■ DISTINGUISHING CHARACTERISTICS

Positions in this class series are allocated only to the Department of Public Works Transportation Division. This class is distinguished from the Construction and Services Worker series by the broader knowledge and skills required in several craft areas including, but not limited to: masonry, carpentry, building construction, electrical, welding, road and sewer line maintenance and repair.

Road Structures Worker I:

This is the first working-level class in the Road Structures Worker series. Under immediate supervision, incumbents perform unskilled to semi-skilled road structure construction/repair duties.

Road Structures Worker II:

This is the journey level class in the Road Structures Worker series. Under general supervision, incumbents perform fully skilled road structure construction/repair duties.

Road Structures Worker III:

This is the lead level class of the Road Structures Worker series. Under direction, the incumbent serves as a lead worker providing technical guidance and training to an assigned crew of Road Structures Workers.

■ FUNCTIONS

**The examples of functions listed in the class specifications are representative but not necessarily exhaustive or descriptive of any one position in the classes. Management is not precluded from assigning other related functions not listed herein if such functions are a logical assignment for the position.**

Road Structures Worker I and II

Essential Functions:

1. Repairs, constructs, and installs a variety of concrete and metal structures used for roads including guardrails, sidewalks, curbs, and gutters.
2. Performs roadside repair work on bridges within the County road system, including repairing and installing wood planking and guardrails.
3. Performs special projects such as repairing County building facilities, constructing mini-offices, and constructing and repairing roofs.
4. Paint walls, and constructs slabs and foundations.
5. Repairs and installs breakaway systems and shock absorber systems.
6. Repairs and installs chain link, barbwire, and wooden fences.
7. Ensures that all construction/repair projects conform to the regional standard drawings and NEC and UBC codes.

8. Utilizes power tools such as saw drill, rotor hammer grinder, concrete and asphalt cutting saw, concrete mixer, jackhammer, cutting torch, chainsaw, power actuated fastener gun, i.e., Ramset, and nail gun.
9. Drives and operates utility trucks, forklifts, dump trucks, and loaders, including Bobcat Skid Steer Loaders.
10. Interacts with Road Crew Supervisors to coordinate projects and arrange for assistance from Road Division staff.
11. Maintains logs on assigned vehicle maintenance and vehicle condition reports.
12. Provides responsive, high quality service to County employees, representatives of outside agencies and members of the public by providing accurate, complete and up-to-date information, in a courteous, efficient and timely manner.

#### Road Structures Worker III

##### Essential Functions:

All the functions listed above and

1. Leads the work of subordinate Roads Construction Workers and directs the construction, repair, maintenance or improvement tasks; and coordinates the work of related crafts/support personnel.

#### ■ KNOWLEDGE, SKILLS AND ABILITIES

##### Knowledge of:

The following apply to all classes:

- The coordination, direction, and supervision of work by crafts/support personnel performing construction, repair, maintenance or improvement tasks.
- Caltrans standard plans and Regional standard drawings.
- General carpentry.
- Masonry.
- Safe work practices.
- The operation of light and heavy construction equipment used in bridge construction.
- Math used in carpentry and masonry work.
- County customer service objectives and strategies.

##### Road Structures Worker III (in addition to the above):

- Basic principles of training and supervision.
- Record-keeping (e.g., work orders, expenditures, completion reports, etc.).

##### Skills and Abilities to:

The following apply to all classes:

- Construct bridges and other related structures.
- Lay block.
- Pour and finish cement.
- Construct, repair and maintain wooden structures and related fixtures.
- Construct forms and other reinforcements used in the construction of bridges and related structures.
- Operate tools and equipment used in carpentry and masonry work.
- Operate and maintain light and heavy equipment used in bridge construction.
- Perform minor electrical and plumbing work.
- Read and interpret work drawings, plans and blueprints.
- Assemble and replace guardrails.
- Set up and use leveling rods and transite.
- Establish effective working relationships with management, employees, employee representatives and the public representing diverse cultures and backgrounds.
- Treat County employees, representatives of outside agencies and members of the public with courtesy and respect.

##### Road Structures Worker III (in addition to the above):

- Lead the work of subordinate Roads Construction Workers and direct the construction, repair, maintenance or improvement tasks.
- Coordinate the work of related crafts/support personnel.

## ■ EDUCATION/EXPERIENCE

Education, training, and/or experience that demonstrate possession of the knowledge, skills and abilities listed above. Examples of qualifying education/experience are:

### Road Structures Worker I:

1. One (1) year of experience constructing, maintaining, and repairing a wide variety of road and bridge structures, culverts, related structures, and concrete finishing work; OR, one (1) year of construction experience which has included general carpentry work.

### Road Structures Worker II:

1. Two (2) years of experience constructing, maintaining, and repairing a wide variety of road and bridge structures, culverts, related structures, and concrete finishing work; OR, two (2) years of construction experience which has included general carpentry work, OR
2. One (1) year of experience as a Road Structures Worker I for the County of San Diego.

### Road Structures Worker III:

1. Three (3) years of experience constructing, maintaining, and repairing a wide variety of road and bridge structures, culverts, related structures, and concrete finishing work; OR, three (3) years of construction experience which has included general carpentry work, OR
2. One (1) year of experience as a Road Structures Worker II for the County of San Diego.

## ■ ESSENTIAL PHYSICAL CHARACTERISTICS

**The physical characteristics described here are representative of those that must be met by an employee to successfully perform the essential functions of the classifications. Reasonable accommodation may be made to enable an individual with qualified disabilities to perform the essential functions of a job, on a case-by-case basis.**

Incumbents use physical strength and agility on a continuous basis, including lifting objects weighing up to 50 pounds and occasionally weighing up to 70 pounds.

## ■ SPECIAL NOTES, LICENSES, OR REQUIREMENTS

### License

A valid Class B California Driver License with tank and air brake endorsements is required at time of appointment and must be maintained throughout employment in this class. Some positions require a Class A California Driver License. Employees in this class are subject to random drug testing per DOT guidelines.

### Certification/Registration

None required.

### Working Conditions

Works outdoors in all weather conditions. Exposure to noise, dust and harmful substances. Frequent work on ladders, scaffolding, roofs and roadways. Subject to emergency callback and irregular work hours. Subject to 24-hour emergency response when needed.

### Background Investigation

Must have a reputation for honesty and trustworthiness. Misdemeanor and/or felony convictions may be disqualifying depending on type, number, severity, and recency. Prior to appointment, candidates will be subject to a background investigation.

### Probationary Period

Incumbents appointed to permanent positions in this class shall serve a probationary period of 6 months (Civil Service Rule 4.2.5).

**New: January 7, 1983**  
**Retitled: October 29, 1993 (From: Bridge Construction Worker I, II, III)**  
**Reviewed: Spring 2003**  
**Revised: October 1, 2004**  
**Revised: June 2005**

Road Structures Worker I (Class No. 006025)	Union Code: CR	Variable Entry: N
Road Structures Worker II (Class No. 006026)	Union Code: CR	Variable Entry: Y
Road Structures Worker III (Class No. 006027)	Union Code: CR	Variable Entry: Y